

Fig. 2

Fig. 1

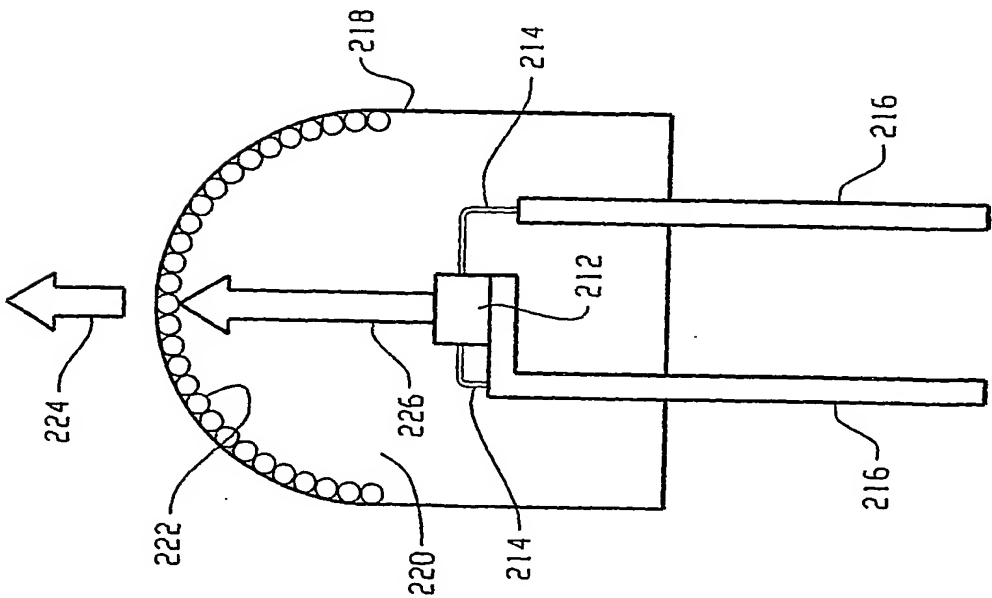


Fig. 3

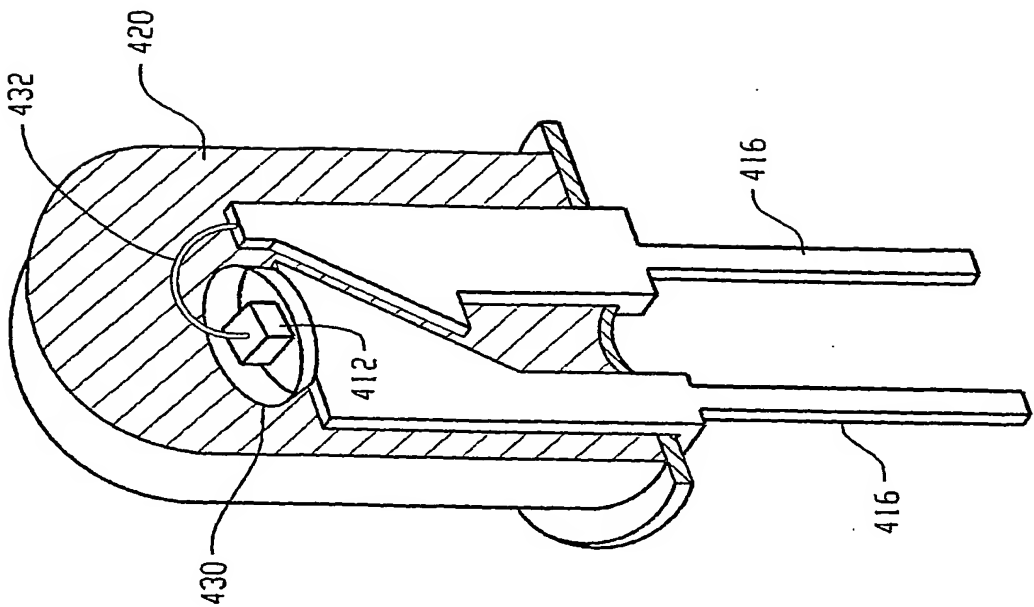


Fig. 4

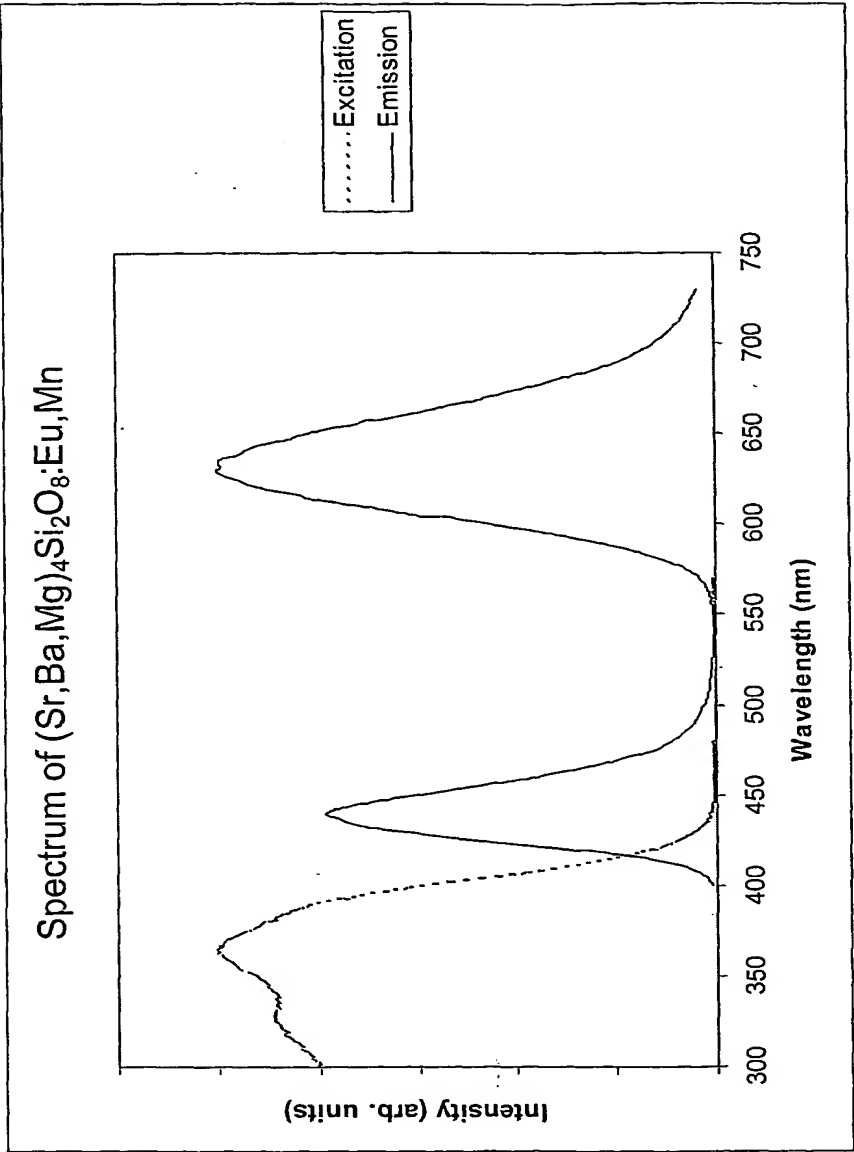


Fig. 5

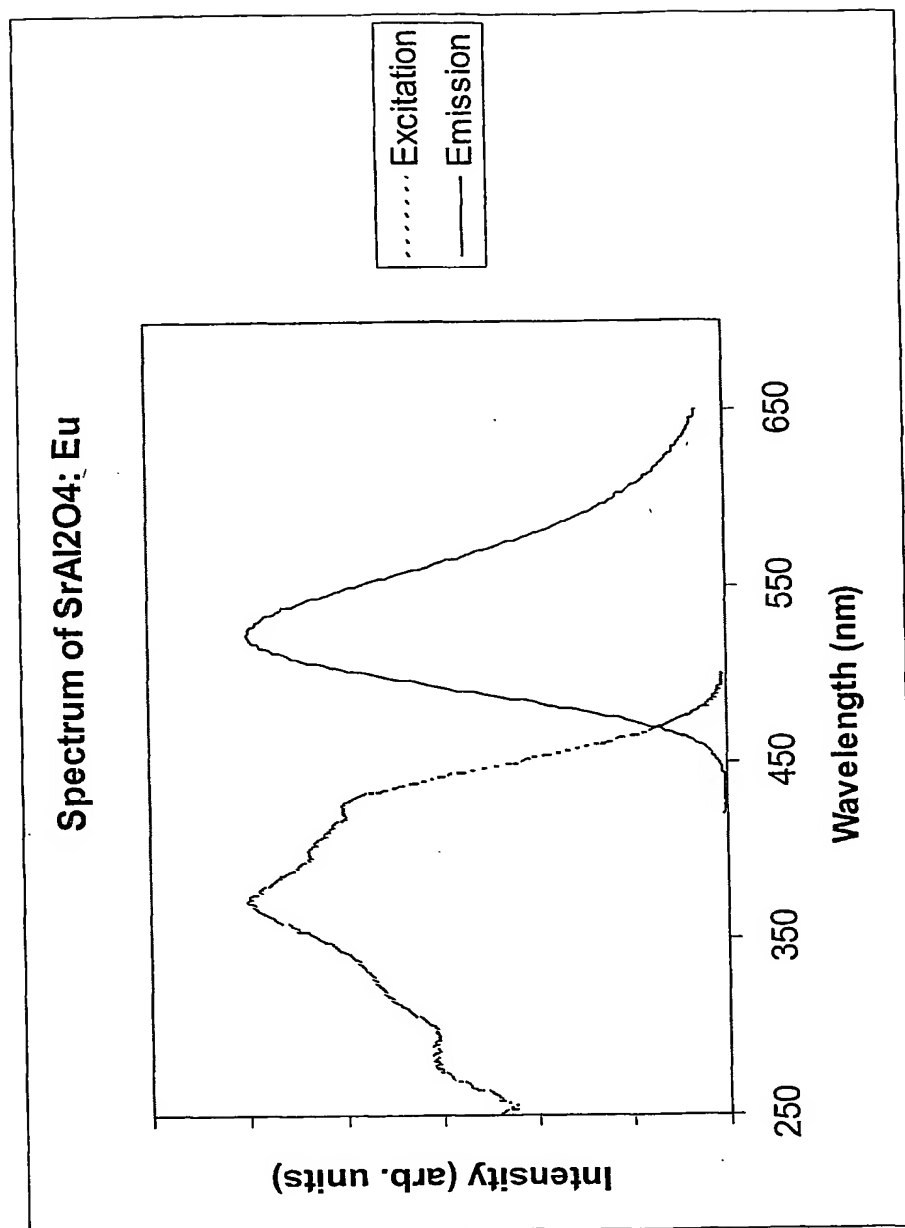


Fig. 6

| Blend # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| CCT, K | 2500 | 2700 | 3000 | 3500 | 4000 | 5000 | 6500 | 8000 |
| x | 0.476 | 0.459 | 0.437 | 0.405 | 0.380 | 0.345 | 0.313 | 0.295 |
| y | 0.413 | 0.410 | 0.404 | 0.390 | 0.376 | 0.352 | 0.324 | 0.305 |
| Blue | 1.3% | 2.7% | 4.9% | 8.8% | 12.4% | 18.3% | 25.2% | 29.8% |
| Green | 20.0% | 22.3% | 25.1% | 28.4% | 30.5% | 33.0% | 33.8% | 33.7% |
| Orange | 46.8% | 45.9% | 44.3% | 41.2% | 38.2% | 32.2% | 28.7% | 25.8% |
| Red | 28.9% | 26.1% | 22.8% | 18.7% | 15.9% | 13.5% | 9.3% | 7.8% |
| LED Bleed | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |
| lm/W rad | 274 | 280 | 286 | 289 | 289 | 283 | 276 | 267 |
| R1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 98 |
| R2 | 100 | 100 | 100 | 99 | 99 | 98 | 98 | 97 |
| R3 | 99 | 99 | 99 | 98 | 98 | 96 | 95 | 94 |
| R4 | 99 | 100 | 100 | 99 | 99 | 96 | 97 | 97 |
| R5 | 99 | 100 | 100 | 100 | 99 | 99 | 99 | 98 |
| R6 | 98 | 98 | 99 | 99 | 98 | 97 | 95 | 94 |
| R7 | 99 | 99 | 99 | 99 | 99 | 97 | 97 | 97 |
| R8 | 99 | 99 | 100 | 100 | 100 | 97 | 98 | 98 |
| R9 | 98 | 98 | 99 | 99 | 99 | 94 | 99 | 99 |
| R10 | 98 | 99 | 100 | 99 | 98 | 97 | 94 | 93 |
| R11 | 98 | 97 | 97 | 97 | 97 | 94 | 94 | 95 |
| R12 | 93 | 94 | 95 | 92 | 89 | 90 | 84 | 81 |
| R13 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| R14 | 99 | 99 | 99 | 99 | 98 | 97 | 97 | 96 |
| Ra (1-8) | 99 | 99 | 99 | 99 | 99 | 97 | 97 | 97 |
| Mean R (1-14) | 98 | 99 | 99 | 98 | 98 | 96 | 96 | 95 |

Fig. 7

| Blend # | CCT | x | y | Im/W rad | Ra | Mean R | R9 | SAE | SPP | SASI red | HALO | MFG | SECA | SrAl2O4 | LED bleed |
|---------|------|-------|-------|----------|-----|--------|-----|-------|-------|----------|-------|-------|-------|---------|-----------|
| 1 | 2500 | 0.478 | 0.415 | 277 | 99 | 99 | 100 | 0.0% | 3.4% | 4.4% | 42.2% | 27.4% | 0.0% | 20.2% | 2.4% |
| 2 | 3000 | 0.438 | 0.406 | 290 | 100 | 99 | 99 | 7.7% | 19.9% | 9.8% | 23.6% | 21.3% | 0.0% | 17.0% | 0.7% |
| 3 | 4000 | 0.381 | 0.378 | 284 | 100 | 99 | 99 | 11.1% | 21.5% | 7.8% | 15.7% | 14.6% | 5.9% | 18.1% | 5.3% |
| 4 | 5000 | 0.345 | 0.353 | 279 | 100 | 99 | 99 | 12.8% | 31.1% | 6.9% | 2.0% | 11.0% | 12.3% | 19.0% | 4.8% |
| 5 | 6000 | 0.322 | 0.332 | 272 | 99 | 98 | 97 | 15.1% | 33.3% | 0.0% | 0.0% | 12.5% | 17.8% | 16.5% | 4.8% |
| 6 | 7000 | 0.306 | 0.317 | 262 | 99 | 98 | 97 | 15.1% | 30.7% | 0.0% | 0.0% | 10.4% | 20.6% | 16.4% | 6.7% |
| 7 | 8000 | 0.295 | 0.305 | 253 | 99 | 98 | 98 | 15.1% | 28.6% | 0.0% | 0.0% | 9.1% | 22.4% | 16.1% | 8.7% |

Fig. 8

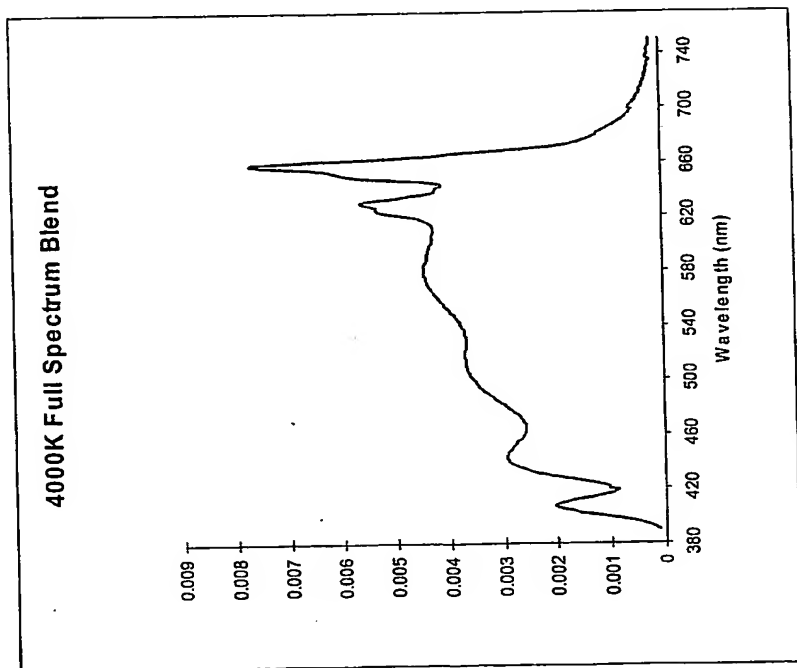


Fig. 9

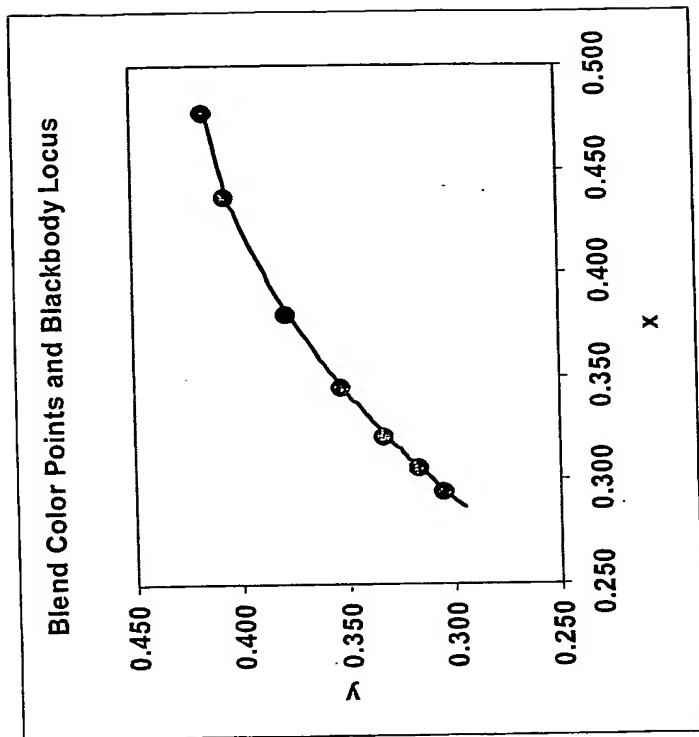


Fig. 10

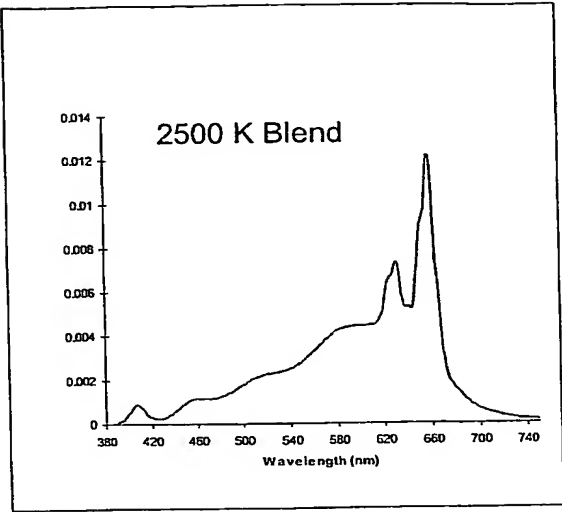


Fig. 11a

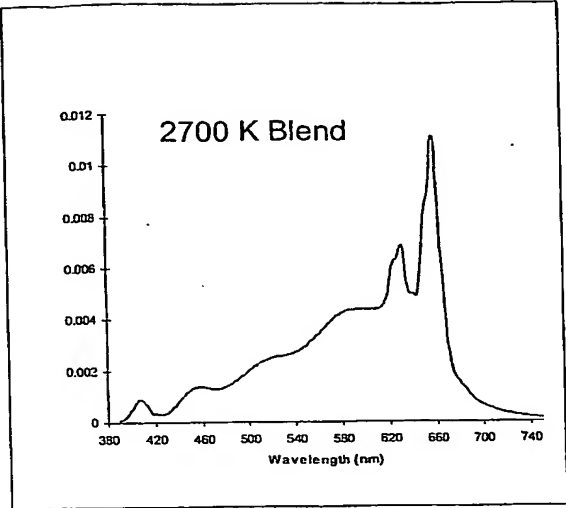


Fig. 11b

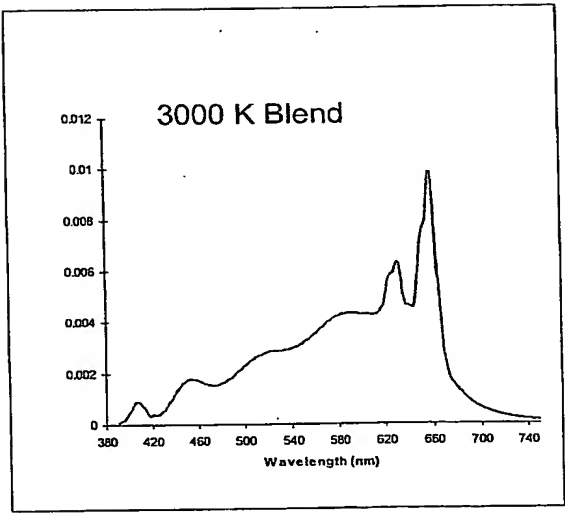


Fig. 11c

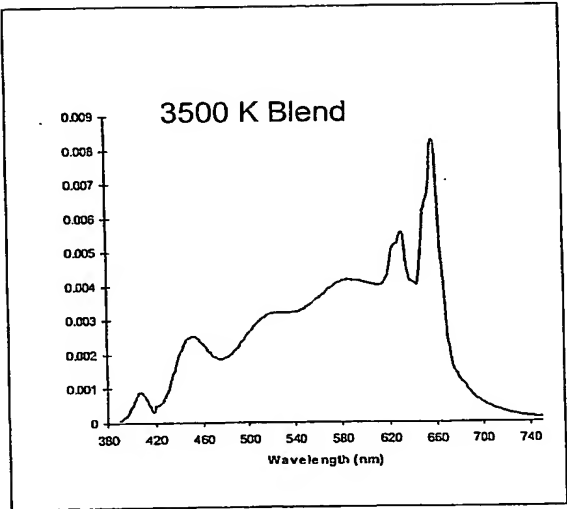


Fig. 11d

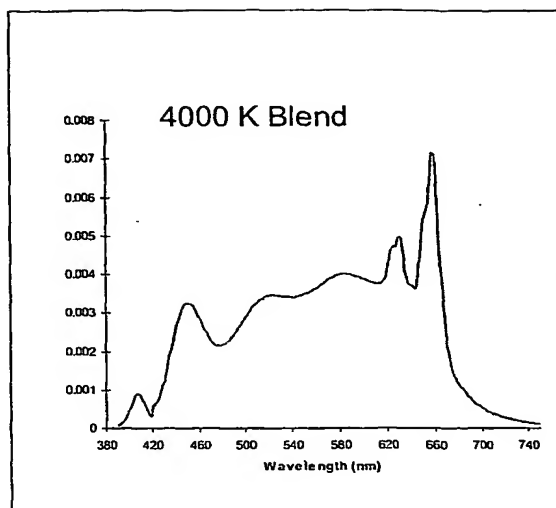


Fig. 11e

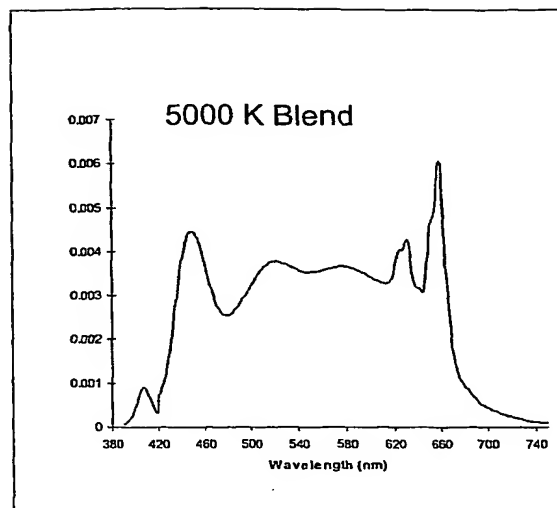


Fig. 11f

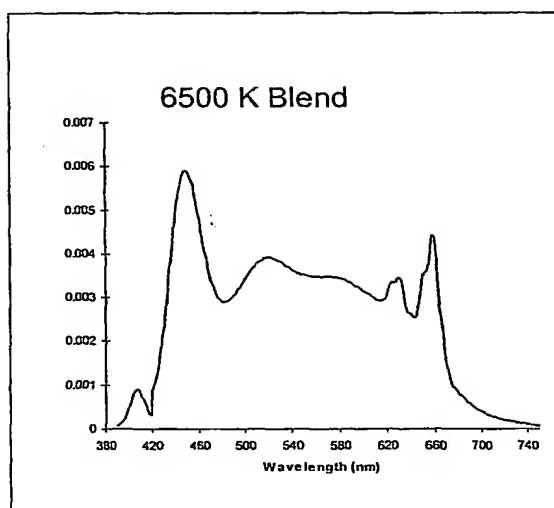


Fig. 11g

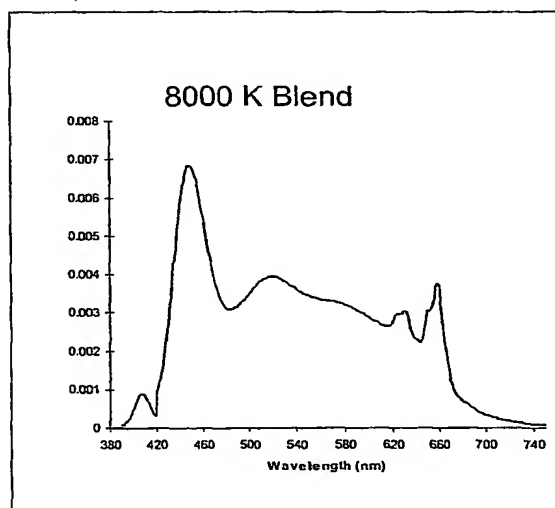


Fig. 11h

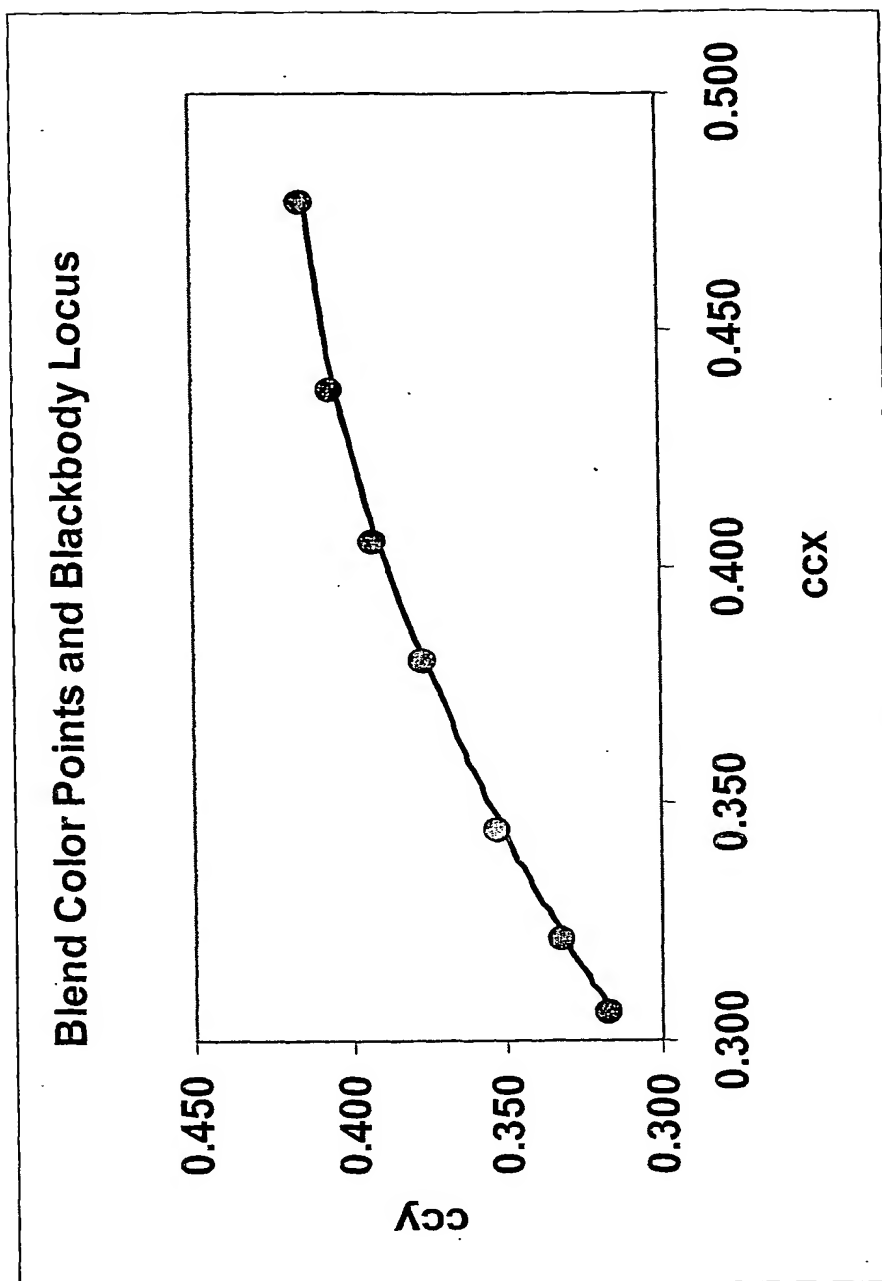


Fig. 12